

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A method of treating a disorder in which aberrant cell division occurs in a human or animal comprising administering to said human or animal a therapeutically effective amount of a peptide comprising the amino acid sequence

X1 X2 X3 W M X4 X5 X6 X7

wherein

the sequence X1 to X7 is an amino acid sequence comprising at least 9 amino acids, which may optionally be interrupted by one or two amino acid residues between one or more of the 9 amino acid positions defined herein;

X1 is selected from W, T, PE, KQI, VV, PQT, H, RI and absent;

X2 is an amino acid with an aromatic side chain;

X3 is P or D;

X4 is an amino acid with a basic side chain;

X5 is an amino acid with a charged side chain;

X6 is an amino acid with a charged side chain; and

X7 is an amino acid with a basic side chain or Serine.

2. (Previously Presented) The method according to claim 1 wherein X2 is Y, F or W.
3. (Previously Presented) The method according to claim 1 or 2 wherein X4 is K, R or H.
4. (Previously Presented) The method according to claim 1 wherein X5 is K, R, E, H, D, N or Q.

5. (Previously Presented) The method according to claim 1 wherein X6 is K, R, E, H, D, N or Q.

6. (Previously Presented) The method according to claim 1 wherein X7 is H, S, R or K.

7. (Previously Presented) The method according to claim 1 wherein X2 is F or Y, X4 is K or R, X5 is K, R or E, X6 is H, R, Q or K and X7 is H, S, R or K.

8. (Previously Presented) The method according to claim 7 wherein X2 is Y and X3 is P.

9. (Previously Presented) The method according to claim 8 wherein said peptide X1 to X7 has the amino acid sequence W Y P W M K K H H R.

10.-15. (Cancel)

16. (Previously Presented) The method according to claim 1 wherein said peptide has the sequence

W Y P W M K K H H R.

17. (Currently Amended) The method according to claim 1 wherein said disorder is a cancer.

18. (Previously Presented) The method according to claim 1 wherein said cells express one or more Hox genes.

19. (Previously Presented) The method according to claim 1 wherein PBX does not act as an oncogene in said cells.

20.-35. (Cancel)